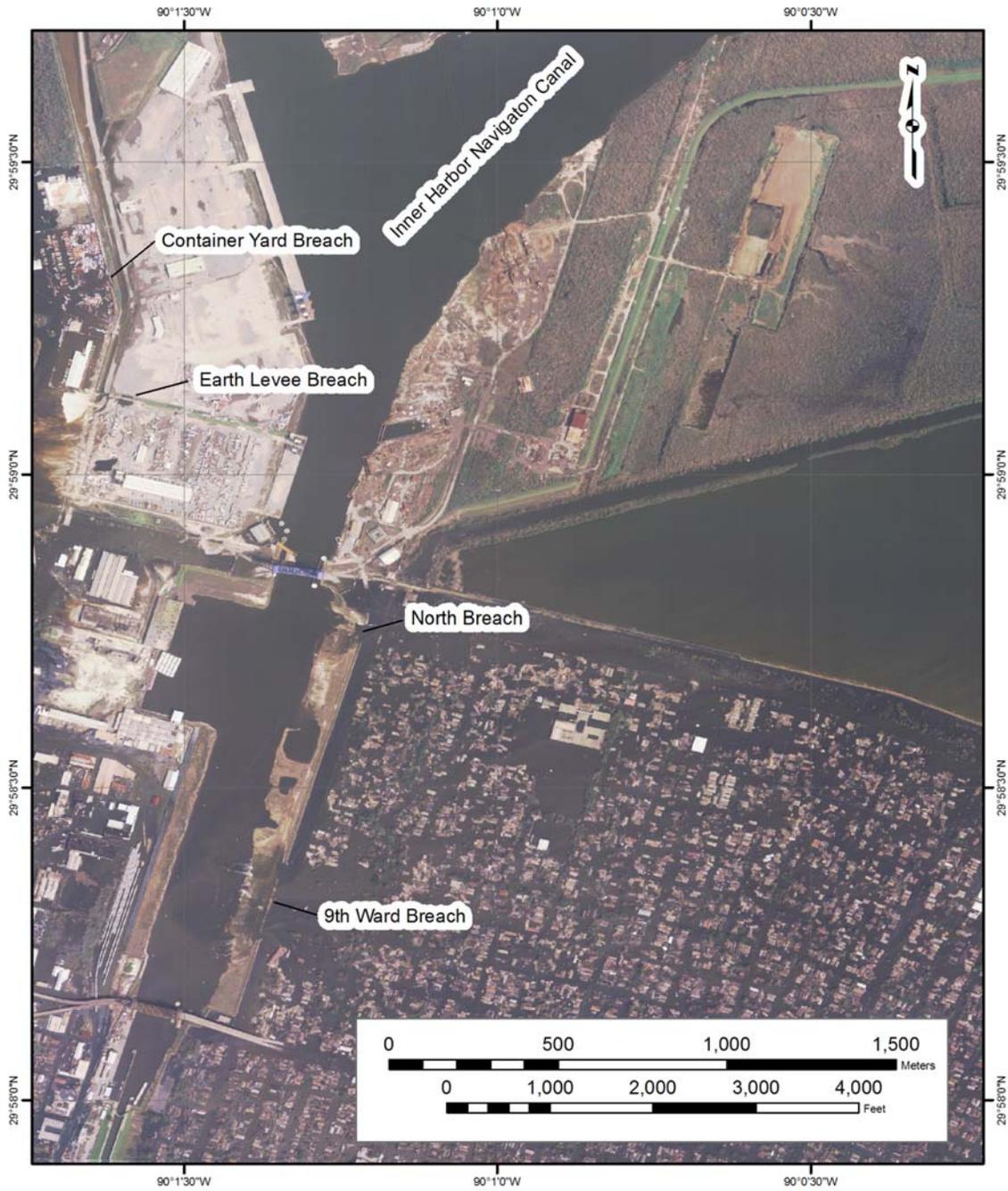
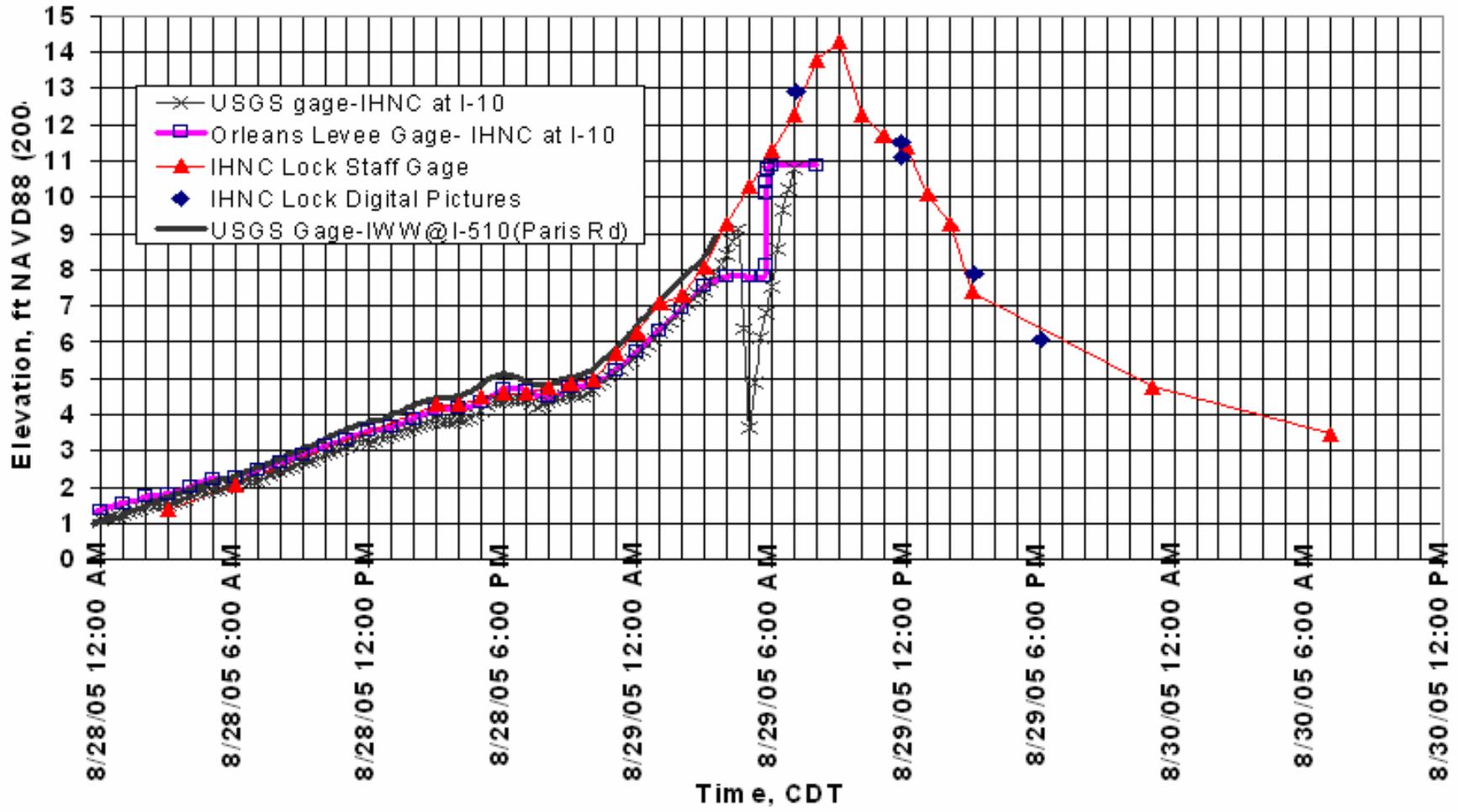


I HNC - Summary of results

I HNC observations

- Four breaches occurred on the I HNC – two east and two west
- All I HNC floodwalls were overtopped, by about 1.7 ft
- Water flowing over the tops of the walls eroded soil impairing the stability of the walls
- One of the breaches was due to erosion of a levee that was 2.5 ft lower than the floodwalls





Erosion due to overtopping



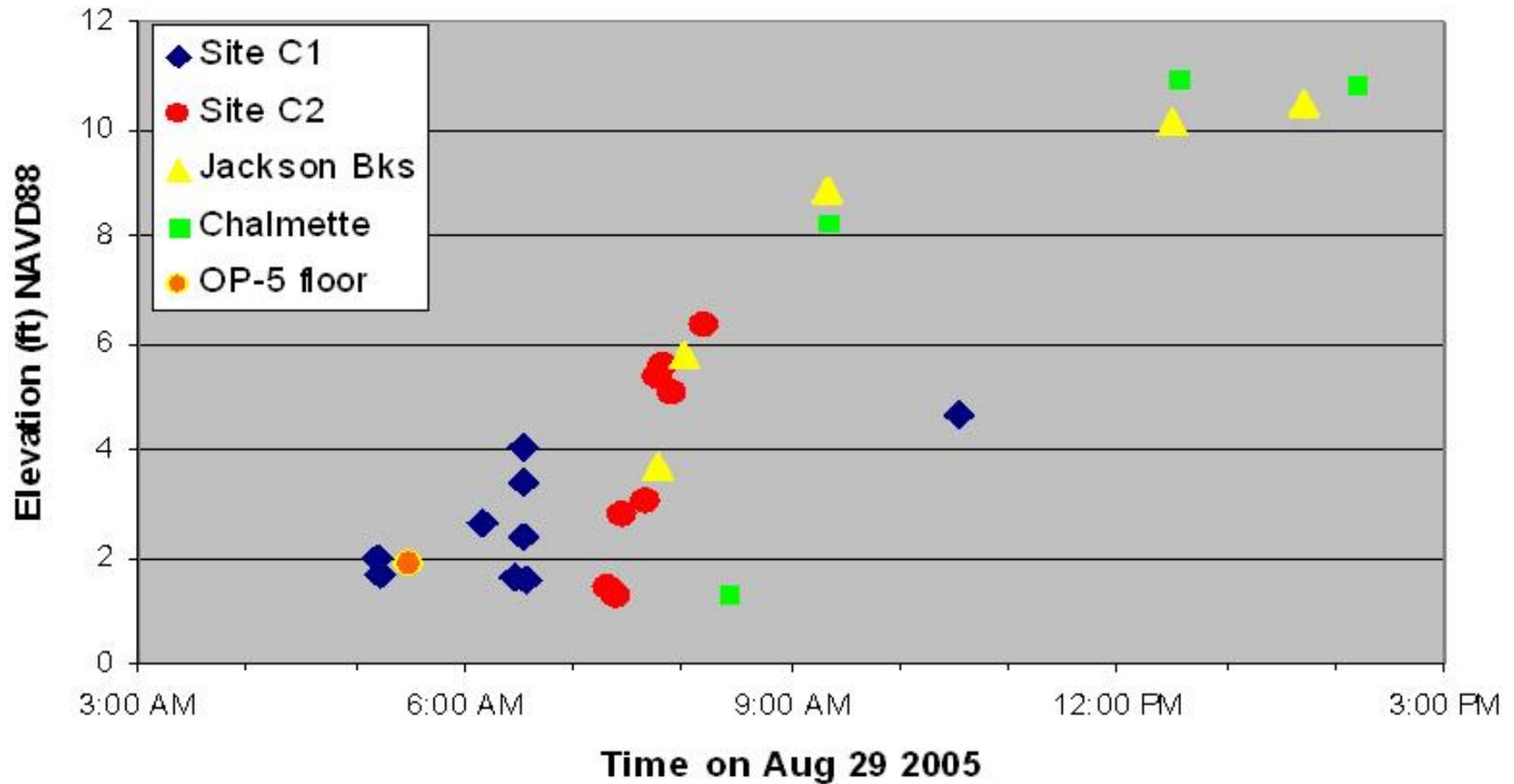
Erosion due to overtopping



I HNC observations - continued

- Water was rising in the lower 9th Ward before overtopping
- At least one of the east side breaches must have occurred before overtopping

Provisional Stage Hydrographs Lower Ninth Ward and Chalmette



Stability results

- With a crack, $F = 1.0$ for the north breach with WL 1.3 ft below top of wall
- With a crack, $F = 1.1$ for the south breach with WL at top of wall
- North breach probably occurred first
- South breach probably occurred after the cross section was changed by erosion

West breaches – study not complete

- One I-wall, one levee
- Levee breach due to overtopping erosion
– erosion around ramp road over levee
- I-wall failure likely due to removal of soil by erosion, followed by instability